David Evans

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(https://github.com/Dave-Evans)

OBJECTIVE

I am a data engineer who is looking for opportunities to apply my current toolset as well as learn new ways of thinking. I am a curiosity-driven tinkerer who loves developing new solutions and finding ways to make existing processes more efficient. I have become adept at finding ways to work with clients to solve business problems while balancing the perfect with the good.

SKILL SET

- Data manipulation, engineering, and munging
- Process automation
- Application development
- GIS theory and practice
- Web development

Software proficiencies and familiarities:
- R and Python
- SQL
- AWS cloud services
- ArcGIS, QGIS, and SAGA-GIS
- C# and VB.NET
- JavaScript
- Git version control software
- LaTeX and Markdown
- Bash and CMD

EDUCATION

University of Wisconsin-Madison

Master of Science, Soil Science	August 2013
Bachelor of Science, Soil Science	May 2011

RELEVANT EXPERIENCE

Statistical Research Modeler – American Family Insurance   **July 2016 – Present**

- Data pipeline development to support company-wide modeling projects
- Develop agile reporting workflow to distribute customer information to agents
- Facilitate automation system for mundane tasks
- Implement version control practice on data science team

GIS Analyst and Developer – Legislative Technology Services Bureau   **May 2015 – June 2016**

- Web site development and maintenance
- Developed desktop applications using ArcObjects for .NET
- Assisted in ArcGIS Server maintenance and updates

IS Data Services – Department of Natural Resources   **July 2014 – May 2015**

- Assemble and organize spatial and non-spatial data for large watershed modeling project
- Carry out statistical analysis for the regionalization of hydrologic model parameters
- Assist with the development of a spatial analysis tool for predicting erosion and improving water quality

Data Coordinator – UW-Madison Soil Science, F.D. Hole Soils Lab   **August 2013 – June 2014**

- Coordinate the progress and maintenance of map display and development for Wisconsin branch of the ISEE Project
- Develop maps of landscapes and soil properties for educational purposes
- Organize and maintain database of geospatial information

Research Assistant – UW-Madison Soil Science, F.D. Hole Soils Lab   **Sept 2011 – June 2013**

- Used digital soil mapping techniques to produce quantitative maps of soil properties
- Described and classified soils in the field according to US Soil Taxonomy
- Investigated soil-landscape relationships through statistical and conceptual models